

Amendments to the Specification:

Please amend the paragraph beginning on page 1, at line 5 by inserting the following headings after the title:

BACKGROUND OF THE INVENTION**1. Field of the Invention**

Please amend the paragraph beginning on page 1, at line 10 by inserting the following heading before the paragraph:

2. Description of the Related Art

Please amend the paragraph beginning on page 1, at line 35 as shown below:

- a) an organohydropolysiloxane having at least ~~two~~ three Si-H groups (SiH) with

Please amend the paragraph beginning on page 2, at line 19 as shown below:

~~The~~ An object of the invention was to provide antimisting additives for silicone coating compositions which reduce the formation of aerosol in rapid coating processes, which are readily miscible with the silicone coating compositions, and which do not impair the silicone coating compositions. ~~This object~~ These and other objects are achieved by the invention including in the coating composition antimisting additives prepared by reacting a compound having minimally three aliphatic double bonds with an organosiloxane having terminal Si-bonded hydrogen atoms, in the presence of a hydrosilylation catalyst, and optionally equilibrating with further linear, branched, or cyclic organopolysiloxanes.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S)

Please amend the paragraph beginning on page 2, at line 26 as shown below:

The invention provides for the use of antimisting additives in crosslinkable silicone coating compositions for reducing the formation of aerosol, which comprises using as antimisting additives siloxane copolymers containing Si-bonded hydrogen atoms preparable by reacting a compound (1) containing at least three aliphatic double bonds, of the general formula



where R^2 is a trivalent or tetravalent hydrocarbon radical preferably having from 1 to 25 carbon atoms per radical, which can contain one or more mutually separate heteroatoms selected from the group consisting of oxygen, silicon and titanium,

R^3 is a hydrogen atom or an alkyl radical having from 1 to 6 carbon atoms per radical, and x is 3 or 4

with an organosiloxane (2) having terminal Si-bonded hydrogen atoms in the presence of catalyst (3) which promotes the addition of Si-bonded hydrogen onto aliphatic double bond,

the ratio employed of Si-bonded hydrogen in the organosiloxane (2) to aliphatic double bond in organic compound (1) being from 1.3 to 10,

and optionally in a second step

equilibrating the resulting siloxane copolymers, containing Si-bonded hydrogen atoms, with organopolysiloxane (4),

selected from the group consisting of linear organopolysiloxanes containing terminal triorganosiloxy groups, linear organopolysiloxanes containing terminal hydroxyl groups, branched organopolysiloxanes optionally containing hydroxyl groups, cyclic organopolysiloxanes and copolymers comprising diorganosiloxane and monoorganosiloxane units.

Please amend the paragraph beginning on page 4, at line 18 as shown below:

The siloxane copolymers of the invention containing Si-bonded hydrogen atoms preferably possess a viscosity of from 2 to ~~500 000 Pa.s~~ 500,000 Pa.s at 25°C, more preferably from 10

to ~~100,000 Pa.s~~ 100,000 Pa.s at 25 °C, particularly preferably from 20 to ~~10,000 Pa.s~~ 10,000 Pa.s at 25°C.

Please amend the paragraph beginning on page 4, at line 35 as shown below:

In the process of the invention it is possible to use one kind of compound (1) or different kinds of compounds compound (1).

Please amend the paragraph beginning on page 5, at line 12 as shown below:

As organosiloxane (2) it is preferred to use such of the general formula



where R denotes preferably identical or different, optionally halogenated hydrocarbon radicals having 1 to 6 carbon atoms per radical and

n is 0 or an integer, more preferably an integer from 50 to 2000, in which case all integers between 0 and 2000 must be regarded as having been explicitly mentioned.

Please amend the paragraph (section) beginning on page 6, at line 19, and ending on page 8 (before the paragraph beginning on line 2) as shown below:

Examples of compound (1) with which the siloxane copolymers of the invention containing alkenyl groups can be prepared are

~~1,2,4-trivinylcyclohexane;~~

~~1,3,5-trivinylcyclohexane;~~

~~3,5-dimethyl-4-vinyl-1,6-heptadiene;~~

~~1,2,3,4-tetravinylcyclobutane;~~

~~methyltrivinylsilane;~~

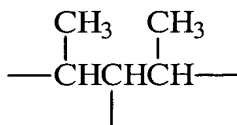
~~tetravinylsilane;~~

~~1,1,2,2-tetraallyloxyethane,~~

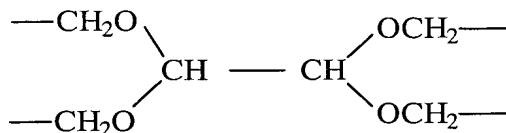
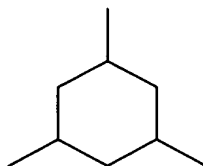
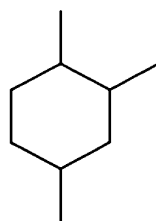
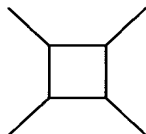
1,3,5-trivinylcyclohexane, 3,5-dimethyl-4-vinyl-1,6-heptadiene, 1,2,3,4-tetravinylcyclobutane, methyltrivinylsilane, tetravinylsilane, 1,1,2,2-tetraallyloxyethane,

preference being given to 1,2,4-trivinylcyclohexane.

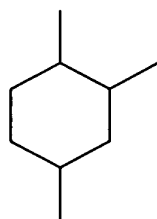
Examples of the radical R² are therefore preferably those of the formula



~~Examples of the radical R² are therefore preferably those of the formula~~

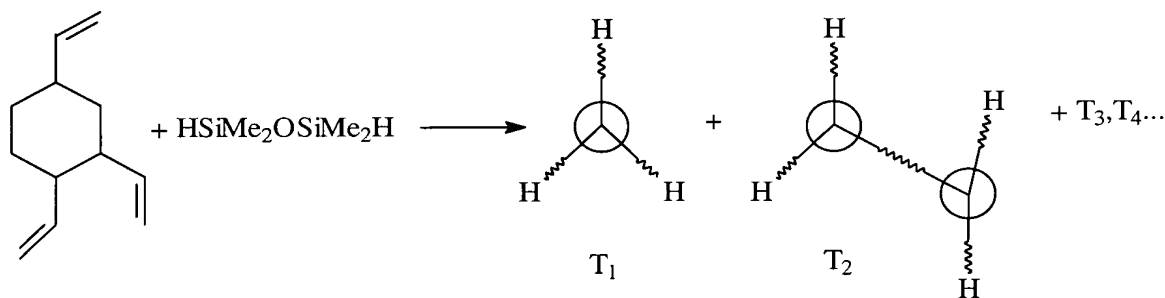


preference being given to the radical of the formula



Please amend the paragraph beginning on page 8, at line 15 as shown below:

The first step of the process, the reaction of compound (1), such as 1,2,4-trivinylcyclohexane, with organosiloxane (2), such as 1,3-dihydro-1,1,3,3-tetramethyldisiloxane, in excess in the presence of catalyst (3) can be represented by the following reaction scheme (1):



Please amend the paragraph beginning on page 9, at line 14 as shown below:

As catalysts which promote the addition of Si-bonded hydrogen onto aliphatic double bond it is possible in the process of the invention as well to use the same catalysts which it has also been possible to date to use for promoting the addition of Si-bonded hydrogen onto aliphatic double bond. The catalysts are preferably a metal from the group of the platinum metals or a compound or a complex from the group of the platinum metals. Examples of such catalysts are metallic and finely divided platinum, which may be on supports, such as silica, alumina or activated carbon, compounds or complexes of platinum, such as platinum halides, e.g., PtCl_4 , $\text{H}_2\text{PtCl}_6 \cdot 6\text{H}_2\text{O}$, $\text{Na}_2\text{PtCl}_4 \cdot 4\text{H}_2\text{O}$, $\text{H}_2\text{PtCl}_6 \cdot 6\text{H}_2\text{O}$, $\text{Na}_2\text{PtCl}_4 \cdot 4\text{H}_2\text{O}$, platinum-olefin complexes, platinum-alcohol complexes, platinum-alkoxide complexes, platinum-ether

complexes, platinum-aldehyde complexes, platinum-ketone complexes, including reaction products of $H_2PtCl_6 \cdot 6H_2O$, $H_2PtCl_6 \cdot 6H_2O$, and cyclohexanone, platinum-vinylsiloxane complexes, such as platinum-1,3-divinyl-1,1,3,3-tetramethyldisiloxane complexes with or without a detectable inorganically bonded halogen content, bis(gamma-picoline)platinum dichloride, trimethylenedipyridineplatinum dichloride, dicyclopentadieneplatinum chloride, dimethyl-sulfoxide-ethyleneplatinum(II) dichloride, cyclooctadieneplatinum dichloride, norbornadieneplatinum dichloride, gamma-picolineplatinum dichloride, cyclopentadieneplatinum dichloride, and reaction products of platinum tetrachloride with olefin and primary amine or secondary amine or primary and secondary amine, such as the reaction product of platinum tetrachloride dissolved in 1-octene with sec-butylamine or ammonium-platinum complexes.

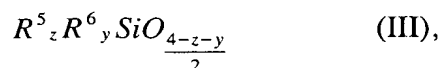
Please amend the paragraph beginning on page 10, at line 28 as shown below:

Since the organic compound (1) containing at least ~~two~~ three aliphatic double bonds, e.g., 1,2,4-trivinylcyclohexane, tends toward polymerization at relatively high temperatures, it is possible in the process according to the invention preferably to use radical inhibitors, such as 4-methoxyphenol, 2,6-bis(tert-butyl)-4-methylphenol, phenothiazine, hydroquinone or pyrocatechol. The radical inhibitors are used preferably in amounts of from 10 to 500 ppm by weight, based on the overall weight of compound (1) and organosiloxane (2).

Please replace the paragraph beginning on page 15, at line 18 as shown below.

No amendments have been made to this paragraph but a clearer representation of the chemical formula is depicted:

As organopolysiloxanes (A) having radicals containing aliphatic carbon-carbon multiple bonds it is preferred to use linear or branched organopolysiloxanes comprising units of the general formula



where R⁵ is a monovalent, unsubstituted or substituted, hydrocarbon radical having from 1 to 18 carbon atoms per radical and being free from aliphatic carbon-carbon multiple bonds and

R⁶ is a monovalent hydrocarbon radical having from 2 to 8 carbon atoms per radical and containing a terminal aliphatic carbon-carbon multiple bond,

z is 0, 1, 2 or 3,

y is 0, 1 or 2

and the sum z+y is 0, 1, 2 or 3,

with the proviso that there are on average at least 1.5 radicals R⁶, preferably on average at least 2 radicals R⁶.

Please amend the paragraph beginning on page 17, at line 13 as shown below:

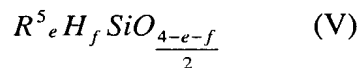
The organopolysiloxanes (A) preferably possess an average viscosity of from 100 to ~~10 000~~ 10,000 mPa·s at 25°C.

Please delete the empty space on page 18 following line 2.

Please replace the paragraph beginning on page 19, at line 1 as shown below.

No amendments have been made to this paragraph but a clearer representation of the chemical formula is depicted:

As organosilicon compounds (B) which contain Si-bonded hydrogen atoms it is preferred to use linear, cyclic or branched organopolysiloxanes comprising units of the general formula



where

R⁵ is as defined above,

e is 0, 1, 2 or 3,

f is 0, 1 or 2

and the sum of e+f is 0, 1, 2 or 3,

with the proviso that there are on average at least two Si-bonded hydrogen atoms.

Please amend the paragraph beginning on page 28, at line 1 as shown below:

At 25°C the following components are mixed homogeneously: 799.2 g of an α,ω -dihydrosiloxane having an active hydrogen content of 0.0106%, 801.9 g of trimethylsilyl-terminated polydimethylsiloxane of viscosity 9.8 mm²/s at 25°C and 2.7 g of trivinylcyclohexane (SiH/C=C = 1.7). Then 0.3 g of the Karstedt catalyst solution described in example 1, with a platinum content of 1.0%, is added. The mixture is stirred for 1 h, during which the mixture temperature rises hardly at all. Thereafter the mixture is stirred at 40°C for 1 h. This gives a clear solution of a branched siloxane polymer having SiH functions in the same amount of trimethylsilyl-terminated polydimethylsiloxane having a viscosity of about ~~10-000~~ 10,000 mm²/s at 25°C.